

Turbo Tape Drive Maintenance Manual Addendum

Replacement of Auto-hub Rubber Shoes:

The Fujitsu Turbo Tape Drive is a very reliable machine if you conduct a few minimal maintenance actions. These actions include both routine cleaning, and routine monitoring of the auto-hub latch shoes, which engage the supply tape reel during tape loading. These latch shoes are rubber, and they wear down with use. Once they wear down, the supply reel can slip on the auto-hub, resulting in damage to both the tape reel and the auto-hub assembly.

The Fujitsu Maintenance Manual, B03P-5280-0341A...03, sections “H” and “L” fail to address this issue of auto-hub rubber shoe inspection and replacement. This addendum is to be inserted into sections “H” and “L” of the maintenance manual, and these procedures should be adopted for inspection and/or replacement of the rubber latch shoes.

Section “H” Preventative Maintenance

Add the following table to page one of section “H”:

Inspect & Replace	Period
-----	-----
Auto-hub rubber shoes	Every 3 months

Section “L” Subassembly Replacement:

Add the following changes to section “L”:

At page L-1, add to the list of subassembly replacement table, Auto-hub rubber shoes, topic number L185.

At page L-24, insert the following new L-185 section, which contains the following procedures and figures:

Fujitsu Latch Assembly part numbers:

(FAA Depot is currently attempting to acquire federal stock numbers which will facilitate ordering of these parts. Check with the Depot before ordering parts using the manufacturer's part numbers listed below)

Latch Assembly inner	B030-5185-408A
Latch Assembly outer	B030-5185-409A
Latch Assembly spring	B030-5180-X419A
Latch Assembly rubber shoe	B030-5180-X433A
Latch Assembly wheels & shaft	B030-xxxx-xxxxxx
Cover Assembly	B030-5180-V403A

To remove, inspect, and/or replace the rubber latch shoes; refer to Figure One and Figure Two of this document, and use the following procedures:

1. Peel off the adhesive cover from the cover assembly as shown in Figure One
2. Remove the three cover assembly attachment screws shown in Figure One, and remove the cover assembly from the reel boss.
3. Refer to Figure Two, insert a small flat blade screwdriver behind the latch assembly pivot point, and pry the latch forward from the reel boss about 1/8 inch. DO NOT exceed 1/8 inch or the latch assemblies will fall off the pivot point, and the latch spring will fly out and get lost.
4. Pry the rubber shoe off the latch assembly, and compare it's flexibility to that of a new rubber shoe.
5. If the rubber shoe is still firm and shows no signs of wear, then replace the original rubber shoe. Otherwise, replace the rubber shoe with a new one.
6. Repeat steps 3-5 for the remaining latch assemblies.
7. Inspect the roller wheels on the cover assembly for scoring and grooves. This damage can occur when the reel slips on the latch shoes. When these wheels get damaged, the tape fails to latch to the auto-hub properly because these wheels are what force the tape reel into proper position, pending auto-hub loading. Replace the cover assembly if one or more of the wheels are damaged.
8. Inspect the 3-wheel assembly, which lifts the latch assembly during auto-hub action. Replace the 3-wheel assembly if any of the wheels look damaged or bent.
9. Install the cover assembly and tighten the three attachment screws.
10. Load a tape and check for proper auto-hub operation.

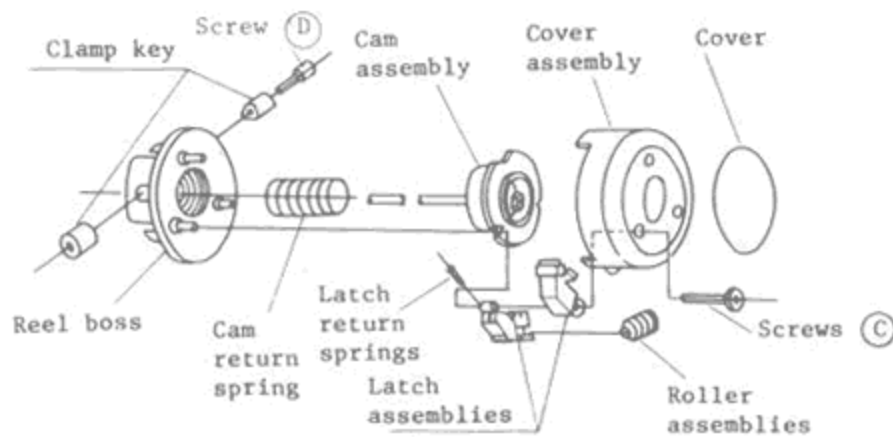
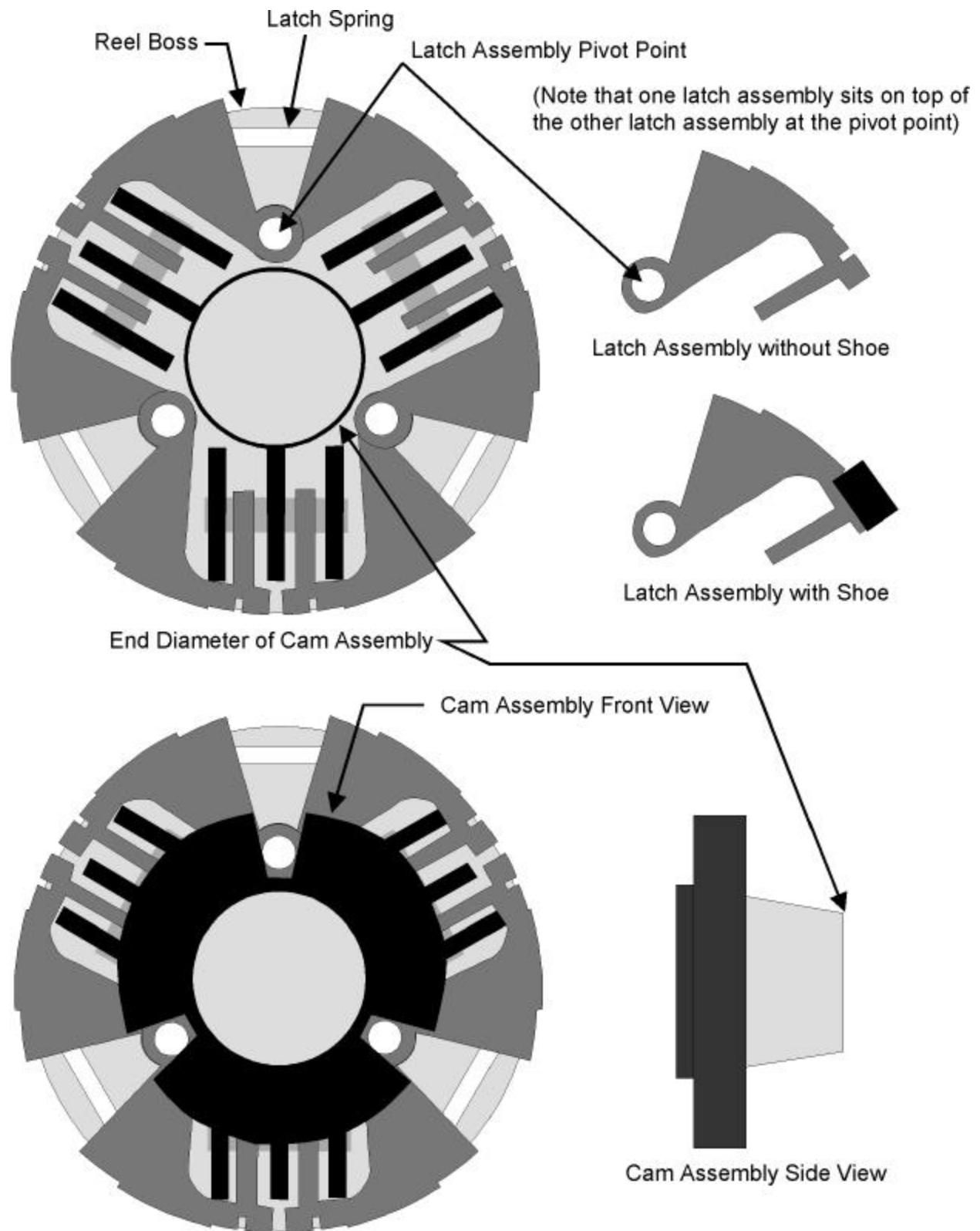


Figure 1, Exploded View of the Auto-hub Assembly

**Figure 2, Auto-Hub Exploded View**